FR [illegible]

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[illegible]

[illegible]（frame relay）[illegible]

[illegible] X.25 [illegible]

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[illegible]

[illegible]

- [illegible] FR [illegible]
- [illegible] FR [illegible]

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[illegible]

1. **[illegible]**
2. [illegible]

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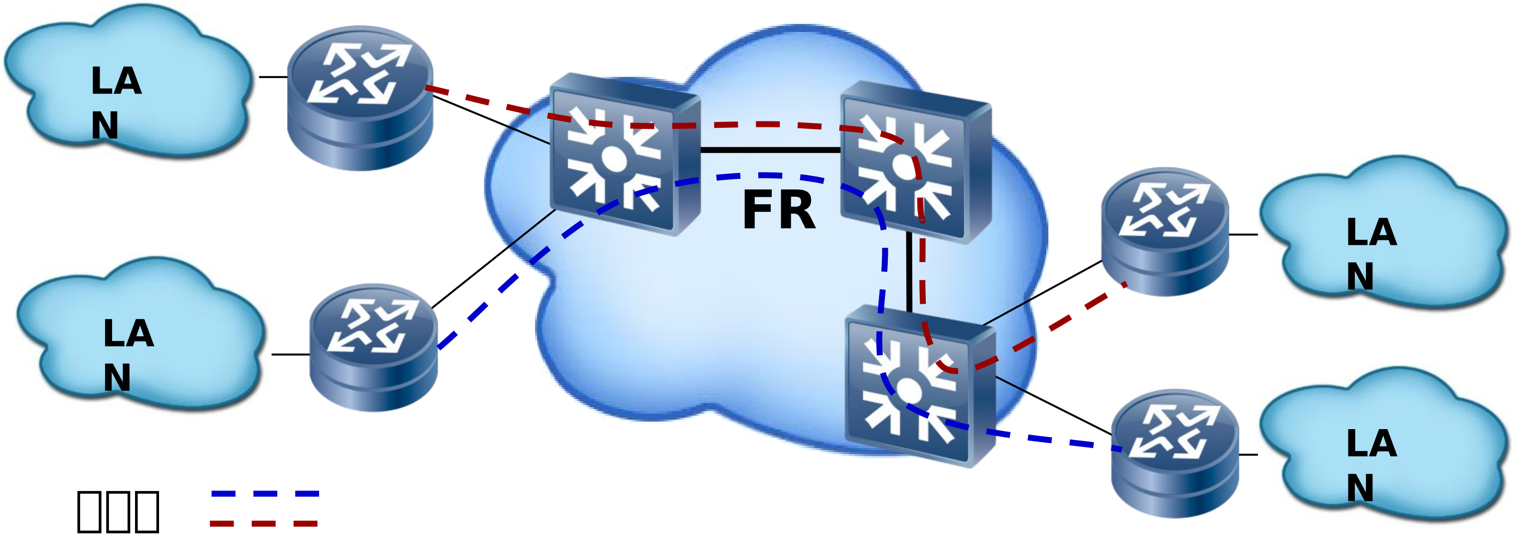

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□ OSI □□□□□□□□

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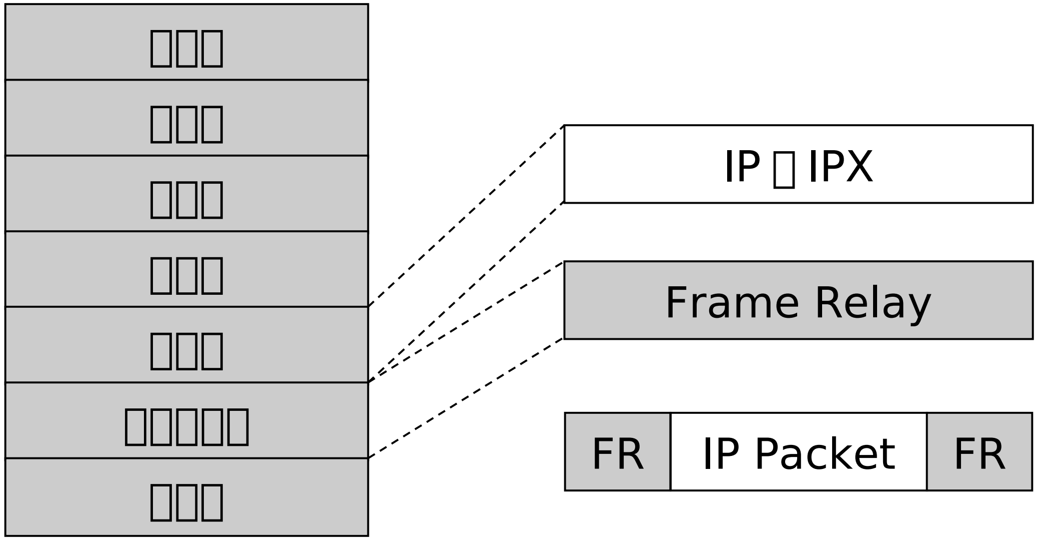

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[illegible]

[illegible]

[illegible]

[illegible] X.25 [illegible]

[illegible]

FR [illegible] SVC [illegible] PVC [illegible]

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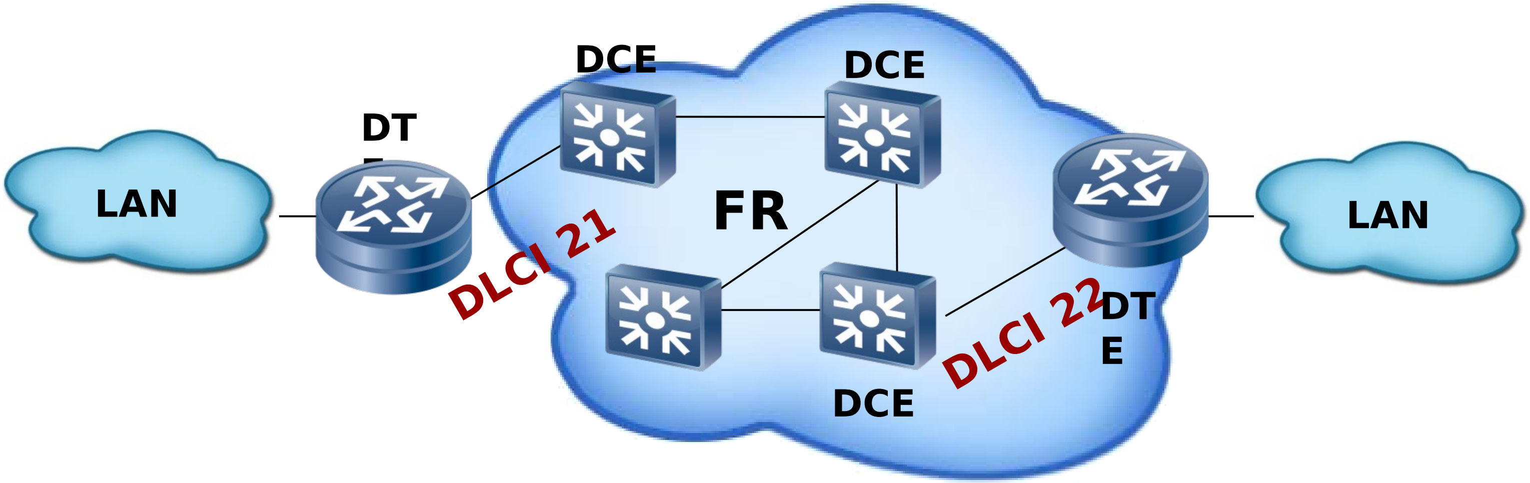

DTE □Data Terminal Equipment □□□□□□

DCE □Data Circuit-terminating Equipment □□□□□□□□

DLCI □Data Link Connection Identifier □□□□□□□□

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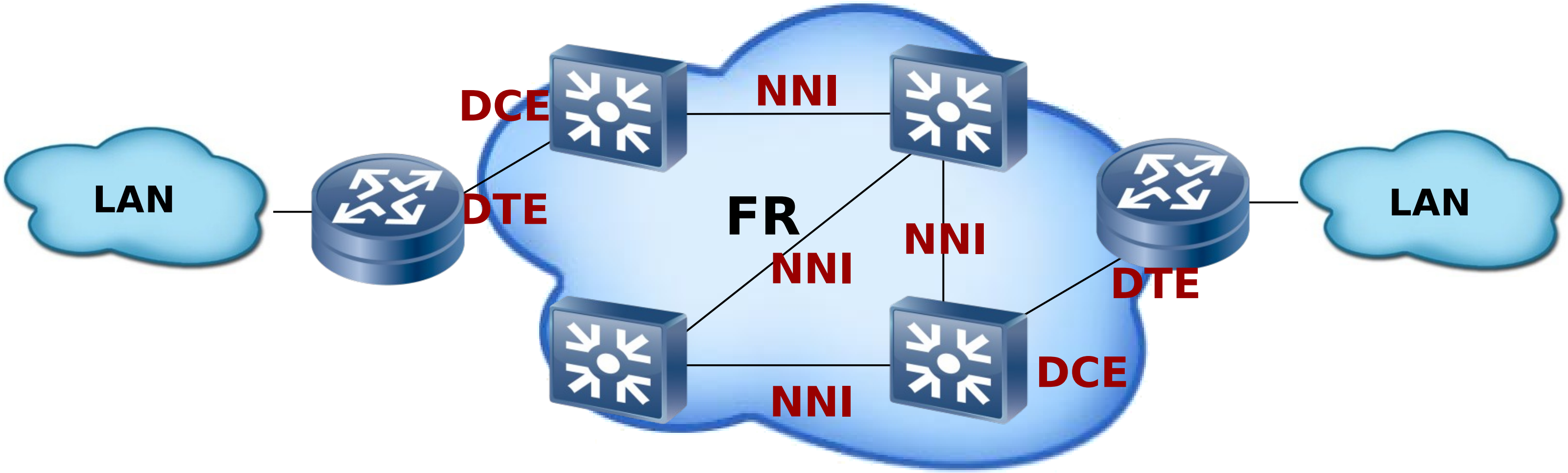
□□□□□□□



DTE □Data Terminal Equipment □□□□□□□

DCE □Data Circuit-terminating Equipment □□□□□□□□□

NNI □Network-to-Network Interface □□□□□□□□

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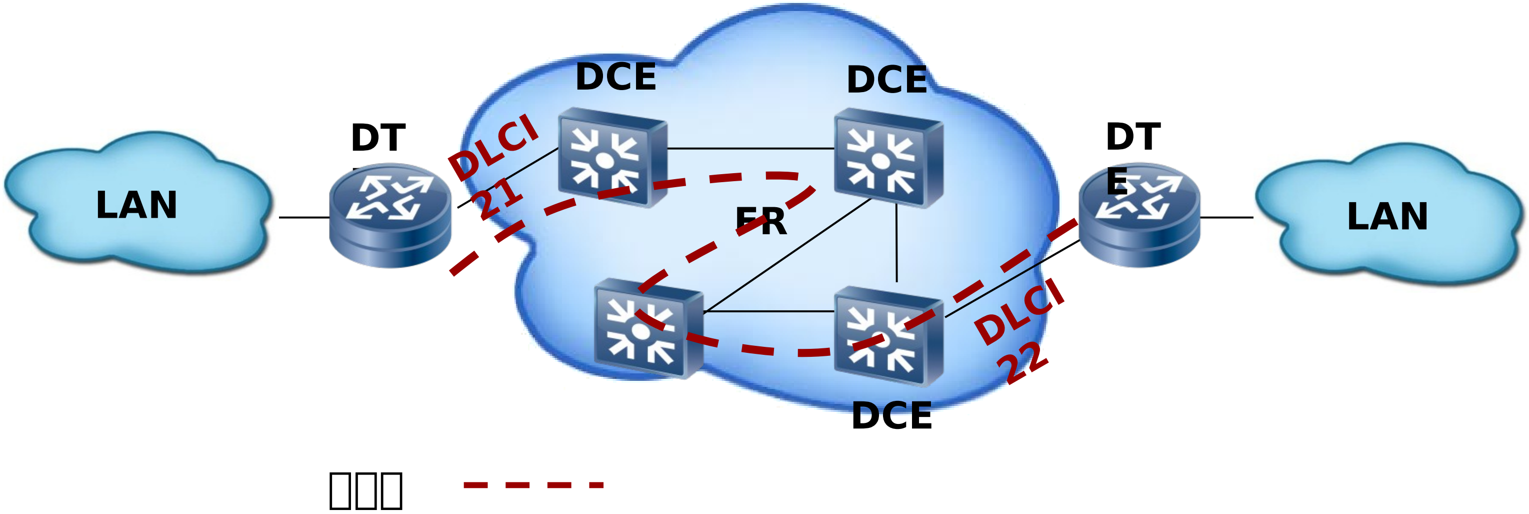
□□□



PVC □ Permanent Virtual Circuit □□□□□□

SVC □ Switched Virtual Circuit □□□□□□

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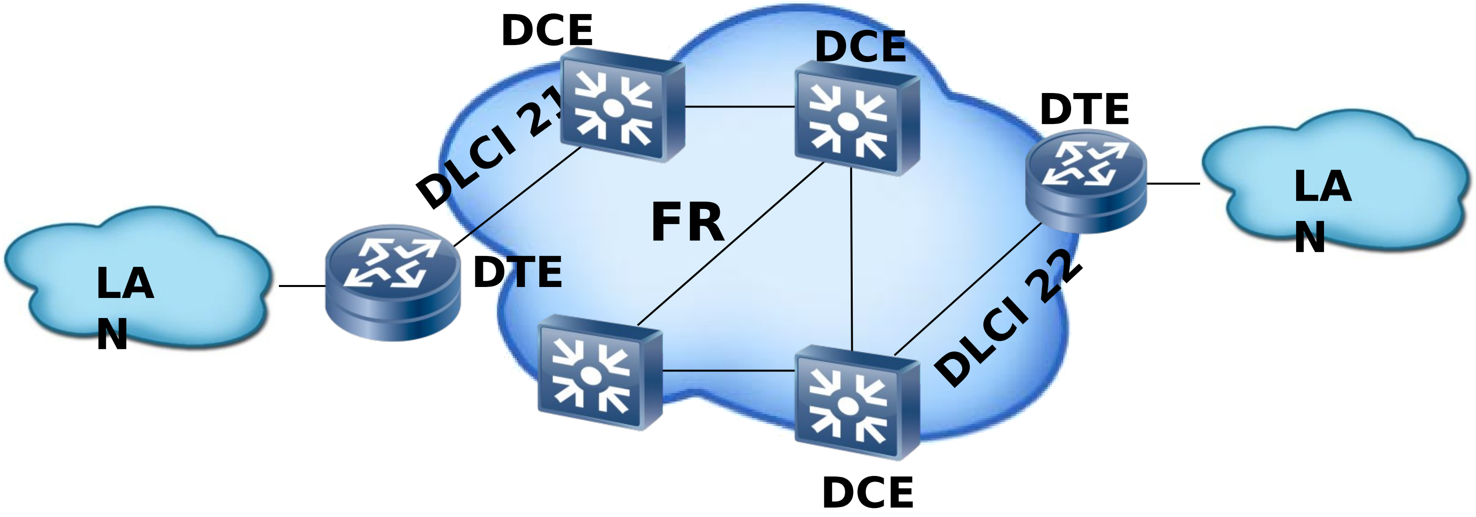
□□□ DLCI □□□



□□□□□□□□□□□□□□□ DLCI
□□ DLCI □□□□□□
□□□□□□□□□□ DLCI

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LMI

LMI [illegible] Local Management Interface [illegible] [illegible]

[illegible]

ANSI	T1.617 Annex D
ITU-T (CCITT)	Q.933 Annex A
	Nonstandard

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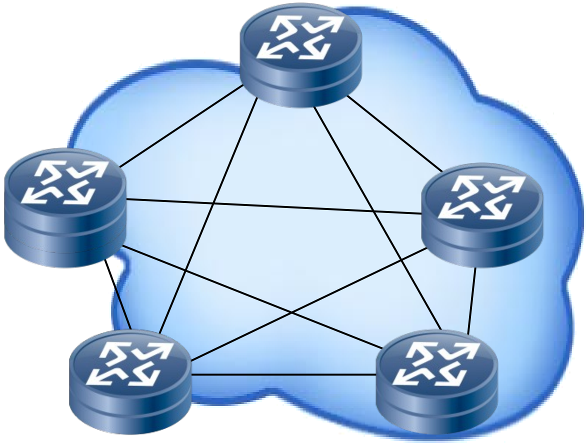
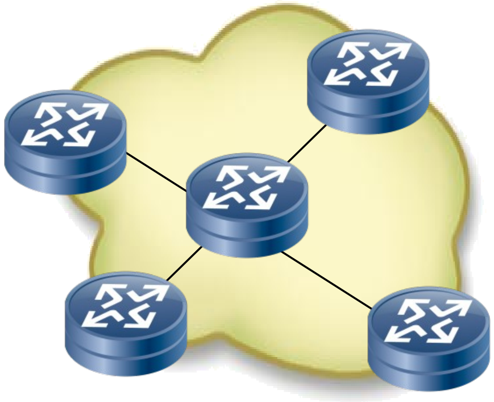
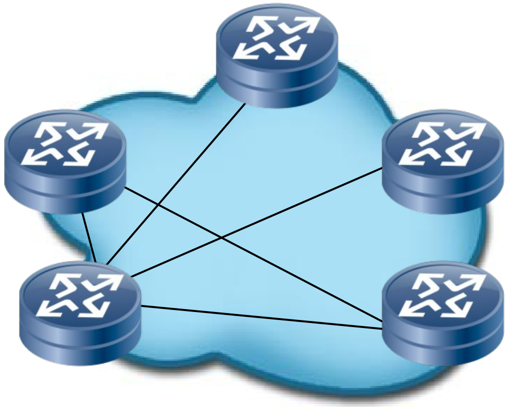
[illegible]



[illegible]



[illegible]



[illegible]

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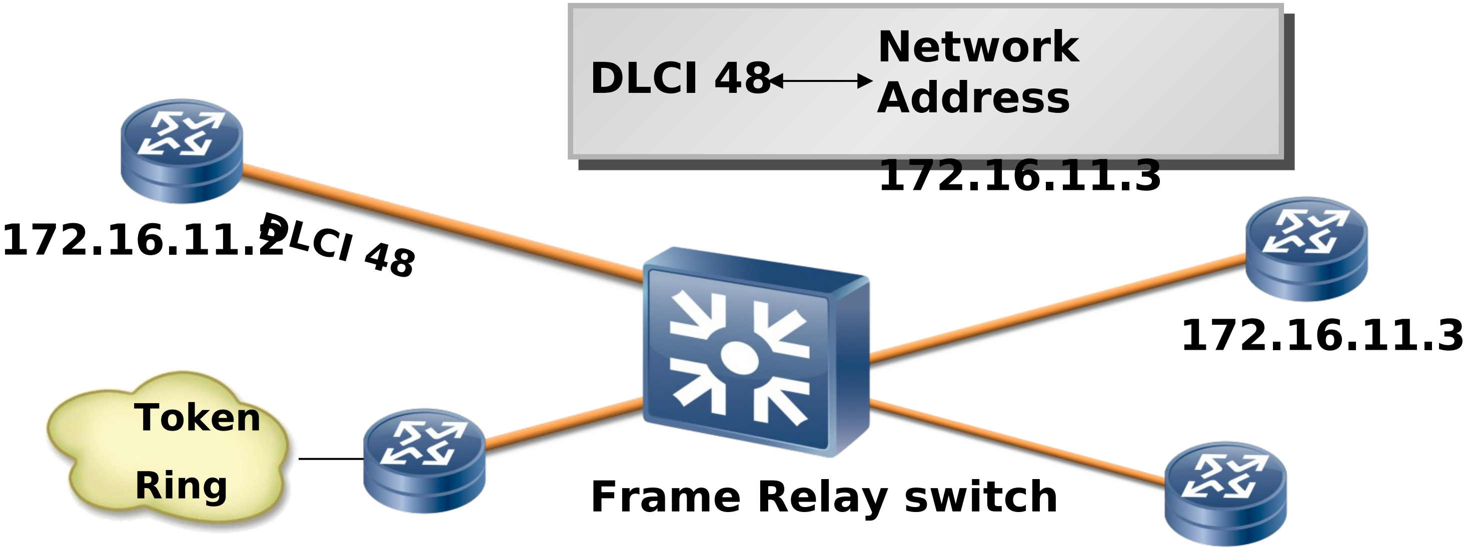

[illegible] MAP [illegible] IP [illegible] IPX [illegible] DLCI [illegible]

[illegible] Inverse ARP [illegible]

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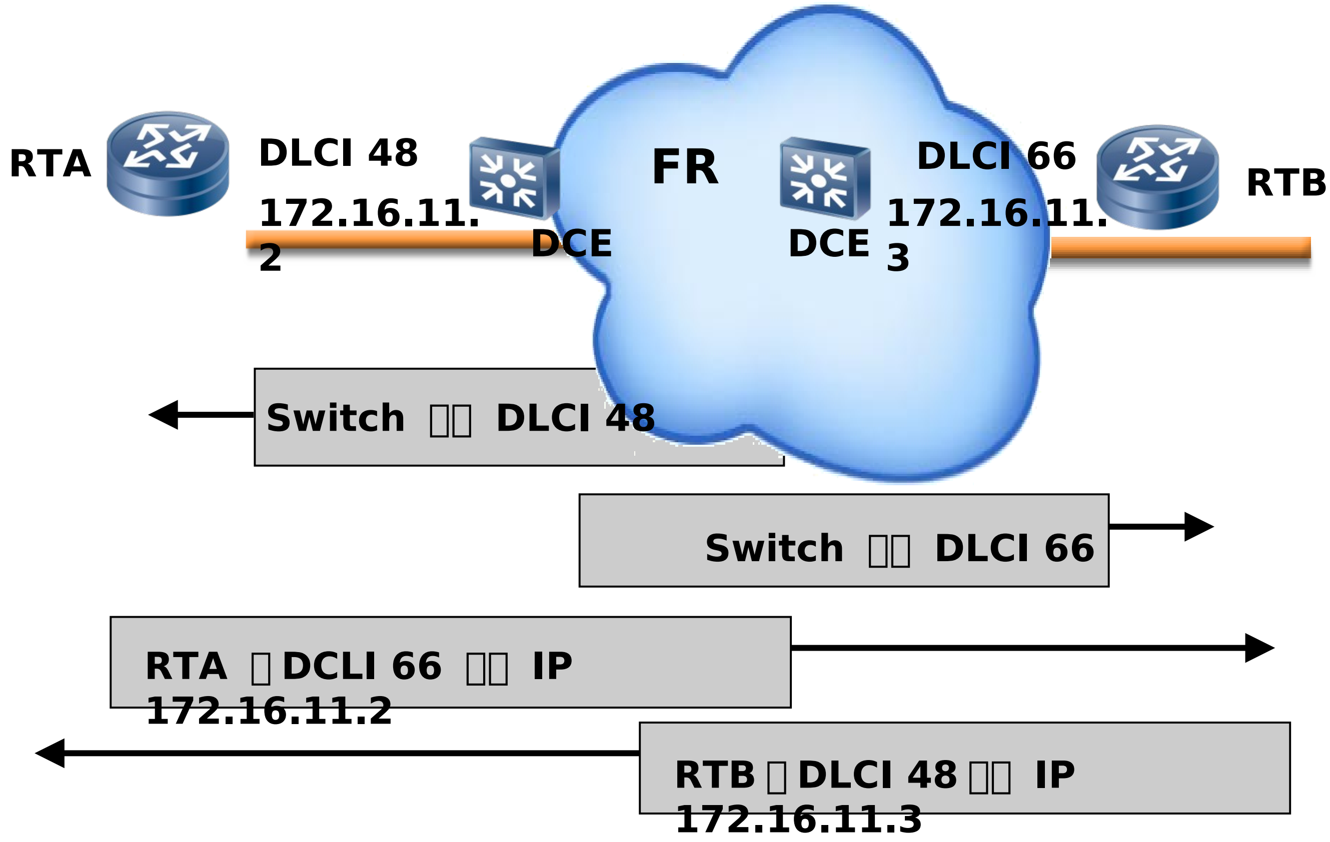
Inverse ARP □□



Inverse ARP □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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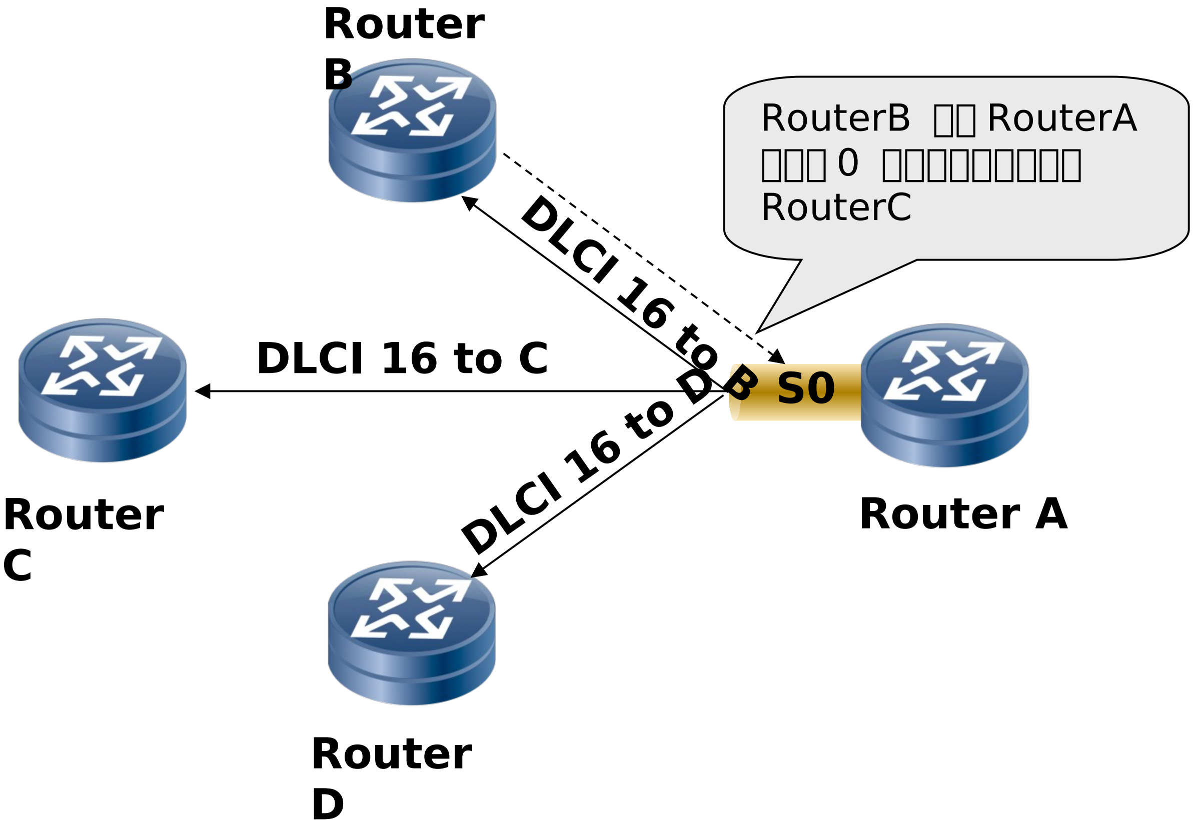

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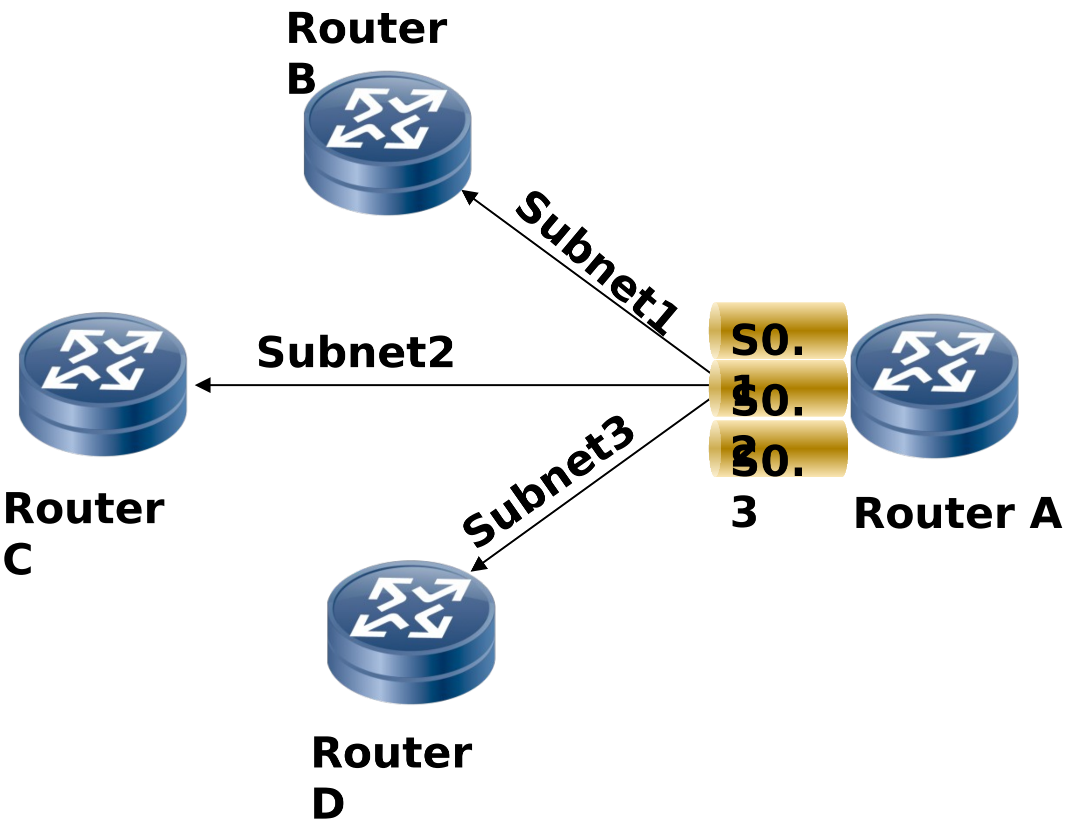

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2. **□□□□□**

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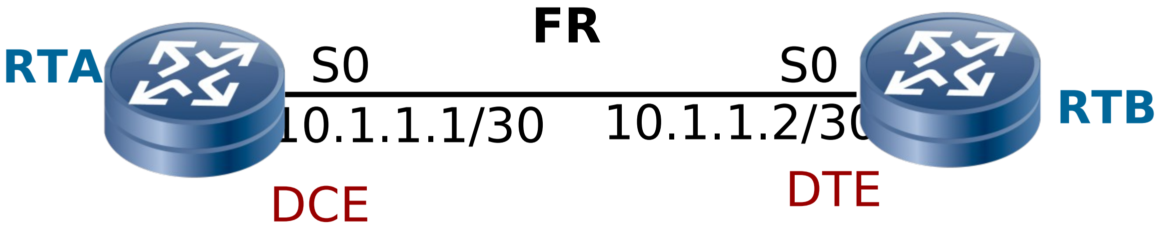
□□□□——□□□□

```
[RTA-Serial0]link-protocol fr ietf
[RTA-Serial0]fr interface-type dce
[RTA-Serial0]fr dlci 100
[RTA-fr-dlci-Serial0-100]quit
[RTA-Serial0]ip address 10.1.1.1 30
[RTA-Serial0]fr inarp
```




```
[RTA-Serial0]link-protocol fr ietf
[RTB-Serial0]fr interface-type dte
[RTB-Serial0]ip address 10.1.1.2 30
[RTB-Serial0]fr inarp
```

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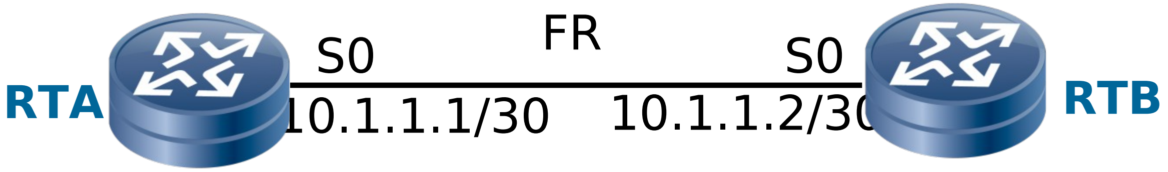
□□□□□□




```
[RTA]display fr interface
Serial0, DCE, physical up, protocol up
```

```
[RTB]display interface Serial0
Serial0 current state : UP
Line protocol current state : UP
Last line protocol up time : 2012-08-02 09:50:24
Description:HUAWEI, AR Series, Serial0 Interface
Route Port,The Maximum Transmit Unit is 1500, Hold timer is
10(sec)
Internet Address is 10.1.1.2/30
Link layer protocol is FR IETF
  LMI DLCI is 0, LMI type is Q.933a, frame relay DTE---- More
( Press 'Q' to break ) ----
```

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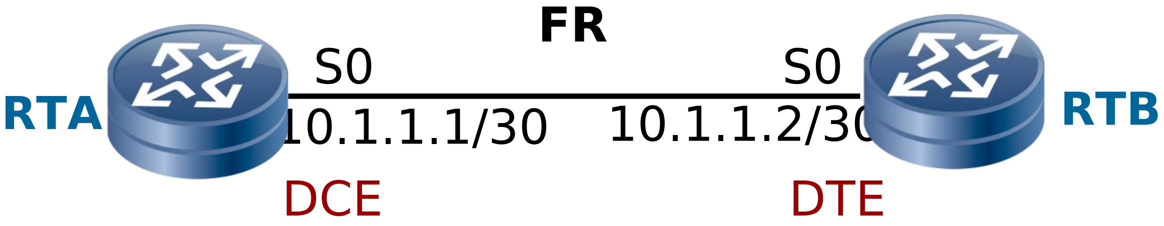
□□□□——□□□□

```
[RTA-Serial0]link-protocol fr ietf
[RTA-Serial0]fr interface-type dce
[RTA-Serial0]fr dlci 100
[RTB-Serial0]undo fr inarp
[RTA-fr-dlci-Serial0-100]quit
[RTA-Serial0]ip address 10.1.1.1 30
[RTB-Serial0]fr map ip 10.1.1.2 100
```




```
[RTA-Serial0]link-protocol fr ietf
[RTB-Serial0]fr interface-type dte
[RTB-Serial0]ip address 10.1.1.2 30
[RTB-Serial0]undo fr inarp
[RTB-Serial0]fr map ip 10.1.1.1 100
```

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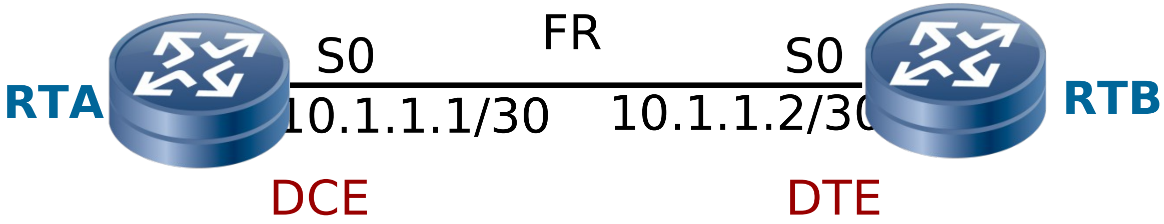
□□□□□□




```
[RTB]display fr map-info
Map Statistics for interface Serial0 (DTE)
  DLCI = 100, IP 10.1.1.1, Serial0
    create time = 2007/06/04 16:45:10, status = ACTIVE
    encapsulation = ietf, vlink = 9
```

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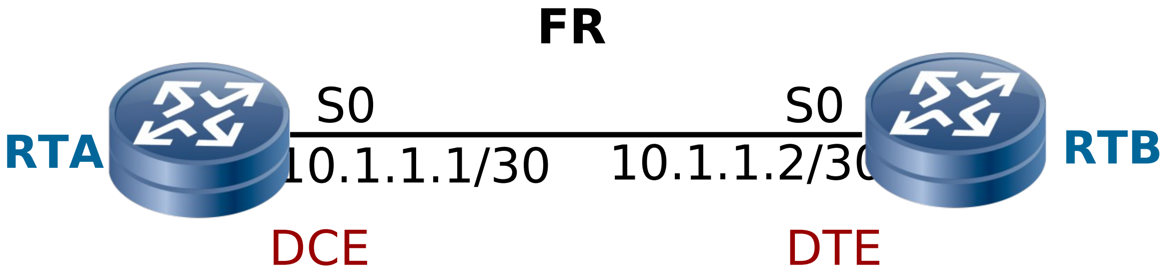
[illegible]




```
[RTB-Serial0]ping 10.1.1.1
  PING 10.1.1.1: 56  data bytes, press CTRL_C to break
    Reply from 10.1.1.1: bytes=56 Sequence=1 ttl=255 time=31 ms
    Reply from 10.1.1.1: bytes=56 Sequence=2 ttl=255 time=31 ms
    Reply from 10.1.1.1: bytes=56 Sequence=3 ttl=255 time=31 ms
    Reply from 10.1.1.1: bytes=56 Sequence=4 ttl=255 time=31 ms
    Reply from 10.1.1.1: bytes=56 Sequence=5 ttl=255 time=31 ms
  --- 10.1.1.1 ping statistics ---
    5 packet(s) transmitted
    5 packet(s) received
    0.00% packet loss
```

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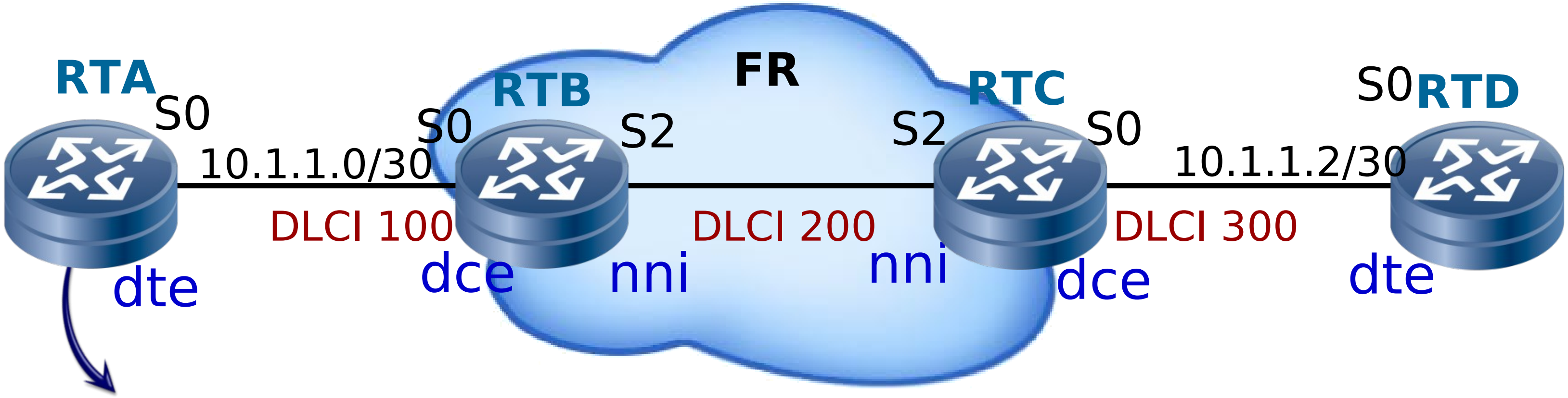


```
[RTA]interface Serial0
[RTA-Serial0]link-protocol fr ietf
[RTA-Serial0]fr interface-type dte
[RTA-Serial0]ip address 10.1.1.1 30
```

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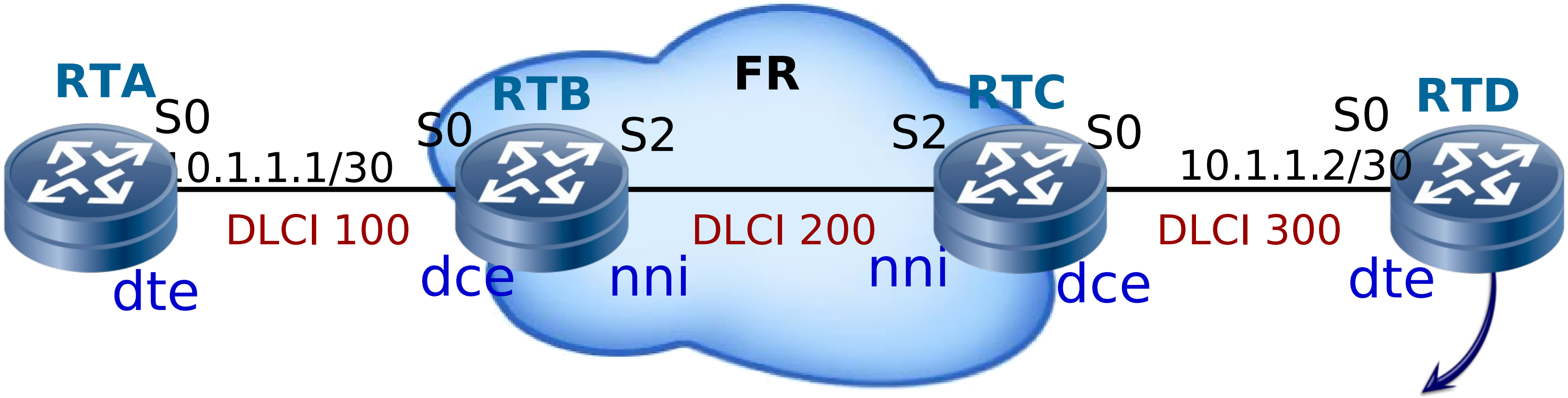
[illegible]




```
[RTD]interface Serial0
[RTD-Serial0]link-protocol fr ietf
[RTD-Serial0]fr interface-type dte
[RTD-Serial0]ip address 10.1.1.2 30
```

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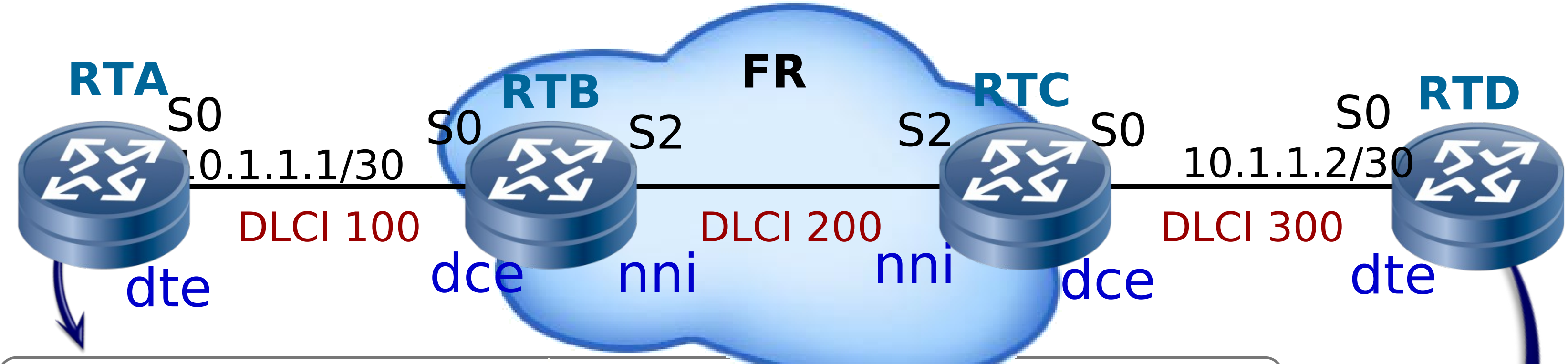


```
[RTA]dis fr map-info
Map Statistics for interface Serial0 (DTE)
  DLCI = 100, IP INARP 10.1.1.2, Serial0
    create time = 2007/06/04 17:34:59, status = ACTIVE
    encapsulation = ietf, vlink = 20, broadcast
```

```
[RTD]dis fr map-info
Map Statistics for interface Serial0 (DTE)
  DLCI = 300, IP INARP 10.1.1.1, Serial0
    create time = 2007/06/04 17:34:59, status = ACTIVE
    encapsulation = ietf, vlink = 1, broadcast
```

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[illegible]

[illegible]

[illegible] DLCI [illegible]

[illegible]

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[illegible]

[illegible] (learning.huawei.com [illegible]

- **1 [illegible] E-learning [illegible]**
  - [illegible] **E-Learning** [illegible]
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- **2 [illegible]**
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  - [illegible]“[illegible] / [illegible]”[illegible]
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- **4 [illegible] eNSP**
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- [illegible], [illegible] [illegible] http://support.huawei.com/ecommunity/bbs/list_2247.html [illegible]

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